

ABSTRACT OF THE DISCLOSURE

A motor includes a rotor having a rotor shaft, a stator having a stator core, right and left brackets, and a plurality of binders. The stator core includes a plurality of circular substrates arranged in layers. The stator core has a plurality of dovetail grooves formed on the cylindrical outer surface thereof such that the dovetail grooves are arranged at predetermined spacing along the circumferential direction and extend in the axial direction. The right and left brackets each assume the form of a bottomed cylinder. The right and left brackets each include a bearing portion at a bottom portion so as to support the rotor shaft. A plurality of engagement projections are formed at the axially inner end of each of the right and left brackets in such a manner as to project axially inward so as to be fitted into the dovetail grooves. A plurality of grooves are formed on the cylindrical outer surface of each of the right and left brackets such that the grooves are arranged at predetermined spacing along the circumferential direction and extend in the axial direction and such that the grooves formed on the right bracket are aligned with those formed on the left bracket. The binders each have opposite ends bent so as to form engagement portions and are fitted into the grooves such that the engagement portions thereof are engaged with axially outer ends of the right and left brackets to thereby clamp the stator core axially inward from opposite sides.